

**STATE****OF****TENNESSEE**

(Rev. 12-15-21)

January 1, 2021

**Supplemental Specifications – 700SS****of the****Standard Specifications for Road and Bridge Construction****January 1, 2021****Subsection 705.06** (pg. 698), 12-15-21; **Installation of Posts; Add new 7<sup>th</sup> Paragraph:**

When an underground structure or utility prevents proper post installation for a run of guardrail, posts may be omitted along the run of guardrail only as detailed in the Department's Standard Drawings. A post will not be omitted from any end terminal or transition. If the conditions noted for omitting posts cannot be used, then the use of a guardrail footing or weak post attachment to culvert may be used as detailed in the Department's Standard Drawings

**Subsection 705.10** (pg. 700), 12-15-21; **Basis of Payment; Add new 7<sup>th</sup> Paragraph:**

When posts are omitted from a run of guardrail, payment shall be as noted in the Standard Drawings.

- a. For 1 post being omitted, the Department will pay the contract unit price for W Beam Guardrail (Type 2) MASH TL-3.
- b. For 2 or 3 posts being omitted, the Department will pay for the linear feet of nested W Beam rail as detailed in the Standard Drawings at a rate equal of 1.5 times the contract unit price for W Beam Guardrail (Type 2) MASH TL-3.
- c. If a guardrail footing or attachment to culvert was used, the Department will pay for work as noted in the Standard Drawings.

**Subsection 712.02** (pg. 731-732), 12-15-21; **Materials; Revise List:**

Aluminum.....	916.02
<del>Reflective Sheeting.....</del>	<del>916.06</del>
Paint.....	910.026.09
Cold Rolled Carbon Steel -16 gauge .....	ASTM A1008
Non-metallic Drums and Barricades .....	QPL
Reflective Sheeting.....	916.06

**Subsection 712.02.B** (pg. 732), 12-15-21; **Temporary Pavement Marking Material; Revise 1<sup>st</sup> Paragraph:**

Unless otherwise specified, the material for pavement marking ~~line~~ shall be either temporary pavement marking tape listed on the Department's QPL, or reflectorized paint with raised reflective pavement markers placed as shown on the Plans

**Subsection 712.02.E** (pg. 733), 12-15-21; **Portable Impact Attenuators; Revise Heading & 1<sup>st</sup> Paragraph:****E. ~~Portable Impact Attenuators~~ Temporary Work Zone Crash Cushions**

~~Portable impact attenuators~~ Temporary work zone crash cushions shall be in accordance with the Plans and Specifications, meet the requirements for the appropriate test level, and meet the requirements of and be listed on the Department's QPL or Standard Drawings.

**Subsection 712.04.B** (pg. 735-736), 12-15-21; **THP Troopers and Uniformed Law Enforcement Officers; Revise 2<sup>nd</sup> Paragraph:**

When a THP Trooper is not available, the Contractor may provide a Uniformed Law Enforcement Officer if approved by the Engineer and the Regional Safety Coordinator or Regional Operations Office. All Uniformed Law Enforcement Officers shall provide a marked Federal, State, County, City, or Metropolitan government law enforcement vehicle equipped with blue lights and have the authority to write traffic tickets and make arrests within the project site. The Uniformed Law Enforcement Officer shall maintain a detailed written log of enforcement activities and shall submit the log to the Engineer for verification each month.

**Subsection 712.06** (pg. 743), 12-15-21; **Temporary Marking; Revise Heading, Add No. 2, & Revise No. 1 & 3:**

**712.06 Temporary Pavement Centerline and Lane Marking**

Unless otherwise specified, install temporary pavement marking as follows:

1. Provide 4-inch wide pavement marking (line) for center, edge, lane and barrier lines as shown on the Plans for projects that will have traffic maintained overnight. For temporary pavement ~~line~~ markings (line) on intermediate layers of pavement, use reflective tape, reflectorized paint, and raised pavement markers, or a combination thereof as shown on the Plans or as required by the Engineer, and install meeting 716, 910.02, 919.04, or Department's QPL at the end of each day's work to permanent standards before dark hours. Short, unmarked sections will not be allowed. ~~The Department will measure and pay for these markings as Painted Pavement Marking (Line) in accordance with 716.08 and 716.09.~~ Preserve established no-passing zones, if any, on the existing pavement; if no-passing zones have not previously been established, establish them before beginning the work. Mark two-lane, two-way highways with 10-foot long center lines applied on 40-foot centers and appropriate no-passing barrier lines.
2. When required, provide temporary pavement markings at intersections for temporary pavement markings on intermediate layers of pavement. The Department will require temporary intersection pavement markings to be reflectorized paint, or removable pavement marking meeting 716, 910.02, 919.04, and or Department's QPL.
3. Where required on the completed permanent pavement surface, for 10-foot lane lines, no-passing barrier line, and edge line, use reflectorized paint applied as specified in 716-meet 716.03.

**Subsection 712.09** (pg. 744, 745), 12-15-21; **Method of Measurement; Revise No. 5, 7, 8 & Add 9:**

5. Warning Lights and Flashing Arrow Boards by the unit, Changeable Message Signs per each for the type designated. Payment will be based on the maximum number in place at one time.
7. ~~Portable Impact Attenuators~~ Temporary Work Zone Crash Cushion based on the initial installation of each ~~portable impact attenuator~~. No additional payment will be made for removal, moving, and reinstalling ~~impact attenuators~~ at other locations on the Project as directed by the Engineer. Payment will be based on the maximum number ~~of portable impact attenuators~~ in place at one time.
8. Temporary pavement marking (line) for edge, center, lane and barrier lines will be measured as listed in the plans, as described for complete in place and accepted, as Painted Pavement Marking (Line) in 716.07 regardless of whether the lines are painted, taped markings, or raised pavement markers, or a combination of the above as shown on the Plans or as required by the Engineer, ~~except that Removable Pavement Marking (Line) will be measured by the linear foot of installed line. Only the marked line will be measured for payment.~~
9. Temporary pavement markings at intersections will be measured as listed in the plans complete in place and accepted as Painted Pavement Marking (Description) or Removable Pavement Marking (Description)

**Subsection 712.10** (pg. 746, 747), 12-15-21; **Basis of Payment; Revise Item List & Paragraphs 4, 5, 9, Remove Paragraph 8:**

<i>Item</i>	<i>Pay Unit</i>
Traffic Control	Lump Sum
Portable Barrier Rail	Linear Feet
<del>Portable Impact Attenuator</del> <u>Temporary Work Zone Crash Cushion</u>	Each
Signs	Square Feet
<del>Vertical Panels</del>	<del>Square Feet</del>
Flexible Drums	Each
Temporary Barricades (Type)	Linear Feet
Removable Pavement Marking (Description)	Linear Feet
<u>Changeable Message Sign Unit</u>	<u>Each</u>
<u>Arrow Board (Type C)</u>	<u>Each</u>
<u>Barrier Rail Delineator</u>	<u>Each</u>
<u>Temporary Flexible Tubular Delineator</u>	<u>Each</u>

Payment for ~~Portable Energy Absorbing Terminals~~ Temporary Work Zone Crash Cushion will be made at the contract price ~~per Portable Energy Absorbing terminal~~, complete in place, with total payment based on the maximum number ~~of portable energy absorbing terminals~~ in place at one time as specified in **712.09**.

Payment for Signs (Construction) ~~and Vertical Panels~~ is full compensation for providing sign panels with proper sheeting and legend, erecting on proper supports, furnishing all mounting hardware, covering when not in use, relocating, handling, and maintaining until Project completion. Vertical Panels will be paid as Signs (Construction).

~~The Department will pay for 10-foot lane line/center line and solid barrier line as Painted Pavement Marking (Line) in accordance with 716.08.~~

Payment for Removable Pavement Marking ~~items Line, 8-inch Barrier Line, Channelization Striping or Stop Line, is shall be~~ full compensation for the installation, maintenance, and removal of the marking line when it is no longer required.

**Subsection 716.03.B** (pg. 790), 12-15-21; **Application; Revise No. 3 & Add No. 4:**

3. **Temporary Pavement Marking (Line).** When thermoplastic is used on the final pavement surface, the Contractor may use reflectorized paint for the center, edge, lane and barrier lines installed meeting 716.07 and 910~~to permanent standards~~ at the end of each day's work and then install the permanent pavement marking after the paving operation is completed. Short, unmarked sections are not allowed. The Department will not directly measure and pay for temporary markings for the final surface, and will consider the costs thereof to be incidental to the item for the permanent thermoplastic pavement markings (line).
4. **Temporary Pavement Markings at Intersections.** When required, temporary pavement markings at intersections are to be installed with reflectorized paint meeting 716.07 and 910. The Department will measure and pay as noted in 712.09 and 712.10,

**Subsection 716.07.A** (pg. 793), 12-15-21; **Application; Revise 11<sup>th</sup> Paragraph:**

When reflectorized paint is required for temporary or final marking, install the paint meeting 910.02~~to permanent standards~~ at the end of each day's work. Do not leave any short, unmarked sections.